

AMENDMENT**IN THE CLAIMS:**

This listing of claims will replace all prior versions and listings of claims in the application:

1. (Original) A dual light source voltage-modulated reciprocal control circuit for a scanner, comprising:

a voltage-modulation circuit for generating a modulation voltage whose magnitude may be adjusted according to a square wave having pulse width modulation capacity;

a first lamp driving circuit for receiving the modulated voltage and driving a first lamp;

a second lamp driving circuit for receiving the modulated voltage and driving a second lamp;

and

a reciprocal control circuit for sending the modulated voltage to the first lamp driving circuit or the second lamp driving circuit according to the dictate of a reciprocal logic signal.

2. (Original) The circuit of claim 1, wherein the first lamp includes a back light.

3. (Original) The circuit of claim 1, wherein the second lamp includes a cover light.

4. (Original) The circuit of claim 1, wherein the first lamp driving circuit and the second lamp driving circuit are dc-to-ac inverters for converting a direct current source to an alternating current source.

5. (Original) The circuit of claim 1, wherein the reciprocal control circuit further includes an application specific integrated circuit.

6. (Amended) The circuit of claim 1, wherein the reciprocal control circuit comprises of a common emitter circuit and a Darlington circuit.

7. (Original) The circuit of claim 6, wherein the common emitter circuit further comprising:

a first resistor having a first terminal for receiving the reciprocal logic signal;

a second resistor having a first terminal connected to a voltage source;

a first transistor having a voltage source coupled to a second terminal of the first resistor and a loading terminal coupled to ground; and

a second transistor having a voltage source coupled to an earth terminal of the second lamp driving circuit, a control terminal coupled to a second terminal of the second resistor and a loading terminal coupled to ground.

8. (Original) The circuit of claim 6, wherein the Darlington circuit further comprising:

a first resistor having a first terminal for receiving the reciprocal logic signal;

a second resistor having a first terminal coupled to a second terminal of the first resistor;

a third resistor having a first terminal coupled to a second terminal of the second resistor and a second terminal coupled to ground;

a first transistor having a voltage terminal coupled to an earth terminal of the first lamp driving circuit, a control terminal coupled to a second terminal of the first resistor and a loading terminal coupled to the second terminal of the second resistor; and

a second transistor having a voltage terminal coupled to an earth terminal of the first lamp driving circuit, a control terminal coupled to the second terminal of the second resistor and a loading terminal coupled to ground.

9. (Original) The circuit of claim 8, wherein the Darlington circuit includes an integrated circuit (IC) having the IC label ULN2003.

10. (New) An apparatus, comprising:

a dual light source voltage-modulated reciprocal control circuit, comprising:

a voltage-modulation circuit for generating a modulation voltage;

a first lamp driving circuit for receiving the modulated voltage and driving a first lamp;

a second lamp driving circuit for receiving the modulated voltage and driving a second lamp;

and

a reciprocal control circuit for sending the modulated voltage to at least one of the first lamp driving circuit or the second lamp driving circuit.

11. (New) The apparatus of claim 10, wherein the first lamp includes a back light.

12. (New) The apparatus of claim 10, wherein the second lamp includes a cover light.

13. (New) The apparatus of claim 10, wherein the first lamp driving circuit and the second lamp driving circuit comprise dc-to-ac inverters for converting a direct current source to an alternating current source.
14. (New) The apparatus of claim 10, wherein the reciprocal control circuit further includes an application specific integrated circuit.
15. (New) The apparatus of claim 10, wherein the reciprocal control circuit comprises a common emitter circuit and a Darlington circuit.
16. (New) The apparatus of claim 15, wherein the common emitter circuit further comprises:
 - a first resistor having a first terminal for receiving the reciprocal logic signal;
 - a second resistor having a first terminal connected to a voltage source;
 - a first transistor having a voltage source coupled to a second terminal of the first resistor and a loading terminal coupled to ground; and
 - a second transistor having a voltage source coupled to an earth terminal of the second lamp driving circuit, a control terminal coupled to a second terminal of the second resistor and a loading terminal coupled to ground.
17. (New) The apparatus of claim 15, wherein the Darlington circuit further comprises:
 - a first resistor having a first terminal for receiving the reciprocal logic signal;
 - a second resistor having a first terminal coupled to a second terminal of the first resistor;
 - a third resistor having a first terminal coupled to a second terminal of the second resistor and a second terminal coupled to ground;
 - a first transistor having a voltage terminal coupled to an earth terminal of the first lamp driving circuit, a control terminal coupled to a second terminal of the first resistor and a loading terminal coupled to the second terminal of the second resistor; and
 - a second transistor having a voltage terminal coupled to an earth terminal of the first lamp driving circuit, a control terminal coupled to the second terminal of the second resistor and a loading terminal coupled to ground.
18. (New) A method, comprising:
 - generating a modulation voltage;

receiving the modulated voltage and driving a first lamp;

receiving the modulated voltage and driving a second lamp; and

sending the modulated voltage to a first lamp driving circuit or a second lamp driving circuit

according to the dictate of a reciprocal logic signal.

19. (New) The method of claim 13, wherein the first lamp includes a back light.

20. (New) The method of claim 13, wherein the second lamp includes a cover light.

21. (New) The method of claim 13, wherein the first lamp driving circuit and the second lamp driving circuit are dc-to-ac inverters for converting a direct current source to an alternating current source.

22. (New) The method of claim 13, wherein the reciprocal control circuit further includes an application specific integrated circuit.

23. (New) The method of claim 13, wherein the reciprocal control circuit comprises a common emitter circuit and a Darlington circuit.